

WHAT IS CLAIMED IS:

1. A method for treating a host comprising
implanting cells of an immortalized human neuro-derived fetal
5 cell line into the host.

2. A method as in claim 1, wherein the fetal cell
line is derived from human fetal astrocytes.

10 3. A method as in claim 2, wherein the cells are
derived from the SVG cell line.

15 4. A method as in claim 1, wherein the cells are
encapsulated by a membrane which is impermeable to antibodies.

5. A method as in claim 1, wherein the cells are
implanted into the central nervous system of the host.

20 6. A method as in claim 5, wherein the cells are
implanted into the basal ganglia of the host.

7. A method as in claim 5, wherein the cells are
implanted into the lumbar theca of the host.

25 8. A method as in claim 5, wherein the cells are
implanted into a lateral ventricle of the host.

30 9. A method as in claim 1, wherein the cells are
implanted extraneurally.

10. A method as in claim 9, wherein the cells are
implanted subcutaneously.

35 11. A method as in claim 1, wherein the cells have
been transfected with a vector comprising a nucleic acid
sequence encoding a peptide for expression by the cells.

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20. A method as in claim 19, wherein the lesion is confined to a region of the central nervous system and the cells are injected into the region.

22. A method as in claim 19, wherein the
5 neurological disorder is Parkinsonism.

23. A method as in claim 19, wherein the cells are injected with a infusion pump.